

FORM PTO-1449 (Rev. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 09/313,184			DOCKET NO. Q54404
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Kaname MIWA, Katsuhiko HIRAI and Hideaki YAGI			
				FILING DATE May 18, 1999			GROUP
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M		5,348,630	09/20/94	YAGI et al	204	153.22	
M		4,668,375	05/26/87	KATO et al	204	426	
M		5,174,885	12/29/92	HAYAKAWA et al	204	425	
M		5,672,811	09/30/97	KATO et al	73	31.05	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
M		8-201337	08/09/96	JAPAN	G01N	27/41	
M		5-87773	04/06/93	JAPAN	G01N	27/41	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER				DATE CONSIDERED 9-20			

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application. (Form PTO-1449 [6-4])